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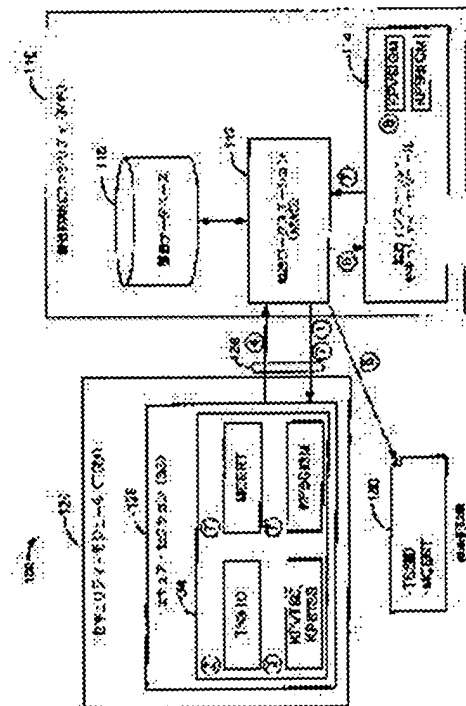
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(54) METHOD FOR COMMUNICATING INFORMATION VIA CHANNEL HAVING LOW RELIABILITY

(57)Abstract:

PROBLEM TO BE SOLVED: To attain the communication security between the devices which are connected to a network.

SOLUTION: A secure section SS 126 of a security module TSM 124 included in a device stores the serial numbers SSID sent from a manufacturing initialization facility MIF 110 via a network into a storage 34 ((2)) and then generates and stores a public key pair ((3)). The public key pair includes a secret part KPVS and a public part KPBSS and transmits only the part KPBSS to the facility MIF 110 ((4)). A manufacturing install security module MISM 114 generates and stores a manufacturer certificate including the part KPBSS and a secret signature key KPVSIGM ((6)), and also the certificate is transmitted to the section SS 126 of the module TSM 124 and stored there together with a public signature key KPBSIGM of the facility MIF 110 ((7)). The facility MIF 110 also generates an



inspection certificate 130. The internal secrecy is stored in every device and certificate and accordingly the devices can authenticate and safely communicate with each other even via a channel having low reliability without being previously programmed by means of the secrecy of an operator.

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## LEGAL STATUS

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